



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

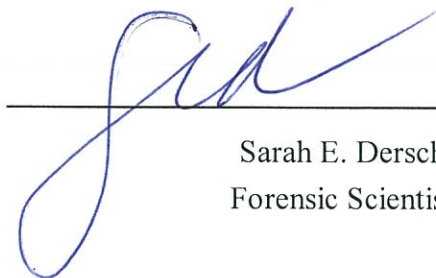
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010725
CERTIFICATION DATE: February 26, 2014
DATE RECERTIFICATION DUE: August 25, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

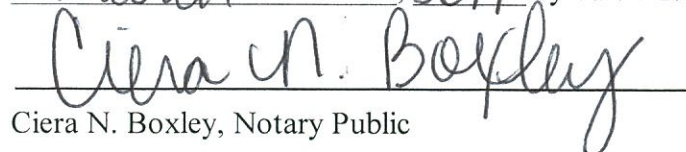
0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

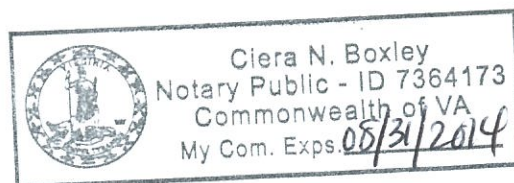

Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of
March, 2014 by Sarah E. Dersch


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TKN



DBH
Jed

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/26/2014**

Instrument Serial Number: 010725

As of 26-Feb-14

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
26-Feb-14	26-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
13-Sep-13	13-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	DBH (21250)	CERTIFIED.
18-Oct-12	18-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD, REPLACED ESEK CARD READER
02-May-12	02-May-12	SED (24178)	CERTIFIED.
09-Nov-11	09-Nov-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-May-11	19-May-11	DBH (21250)	CORRECTED DRY GAS STANDARD LOT NUMBER IN INSTRUMENT MEMORY
19-May-11	19-May-11	DBH (21250)	CERTIFIED
30-Nov-10	30-Nov-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-10	15-Jun-10	DBH (21250)	CERTIFIED
29-Dec-09	29-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jul-09	15-Jul-09	DBH (21250)	CERTIFIED.
18-Mar-09	18-Mar-09	DBH (21250)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Feb-09	12-Feb-09	MSK (21355)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBA
Jed

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010725 Worksheet Start Date 2/26/2014
Location Fort Eustis
Address 648 Washington Blvd Fort Eustis VA 23604
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 761 Reference Barometer (mm HG) 759
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.302
0.300	0.300	0.291	0.309	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.301
0.001		0.301	0.302		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

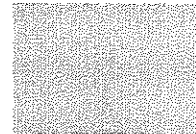
Dry gas standard Lot No. (with tank no.) AG227501-05

☒ Replaced dry gas standard (+O-ring)

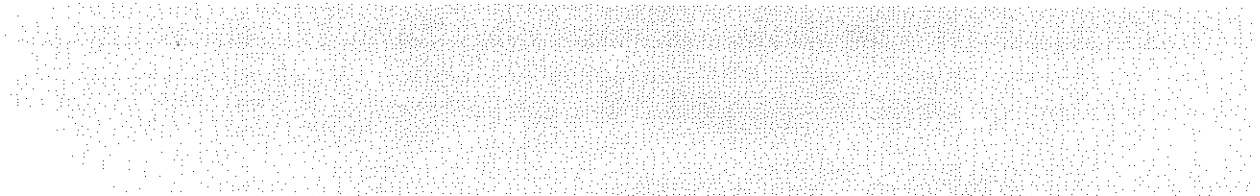
☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:



Instrument Serial Number

010725

Certification Date

2/26/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.250	0.242	0.257	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0		0.247	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.150	0.145	0.154	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0.001		0.148	0.149		

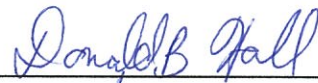
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

2/26/14

Issuing Analyst



Date

3/4/14

Intox EC/1R-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 455
Test Date: 02/26/2014 Test Time: 10:45 EST

Technician Initials: DBH

Dry Gas Target: 0.250

Lot Number: 29612250I2-09 Exp Date: 11/01/2014

Tank Pressure: 384 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:46
BLK	0.000	10:46
CHK	0.247	10:47
BLK	0.000	10:49
CHK	0.247	10:50
BLK	0.000	10:51
CHK	0.247	10:52
BLK	0.000	10:54

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH
Snd

Intox EC/IR-II: Certification

DBH

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Department of Forensic Science

Serial Number: 010725 Test Number: 456

Test Date: 02/26/2014 Test Time: 10:56 EST

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 2951215012-04 Exp Date: 11/01/2014

Tank Pressure: 963 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:57
BLK	0.000	10:57
CHK	0.149	10:58
BLK	0.000	11:00
CHK	0.148	11:00
BLK	0.000	11:02
CHK	0.148	11:03
BLK	0.000	11:04

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 457
Test Date: 02/26/2014 Test Time: 11:07 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 07713080I2-01 Exp Date: 05/01/2015

Tank Pressure: 448 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:07
BLK	0.000	11:08
CHK	0.080	11:09
BLK	0.000	11:10
CHK	0.080	11:11
BLK	0.000	11:12
CHK	0.080	11:13
BLK	0.000	11:14

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH
Ed

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010725 Test Number: 458
Test Date: 02/26/2014 Test Time: 11:17 EST

gnd

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 463 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:17
BLK	0.000	11:18
CHK	0.019	11:18
BLK	0.000	11:20
CHK	0.019	11:21
BLK	0.000	11:22
CHK	0.019	11:23
BLK	0.000	11:24

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-11: Accuracy Check

DBH

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Department of Forensic Science

Serial Number: 010725 Test Number: 459

Test Date: 02/26/2014 Test Time: 11:26 EST

Dry Gas Target: 0.300

Lot Number: AG322702-06 Exp Date: 08/15/2015

Tank Pressure: 428 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:27
CHK	0.302	11:28
BLK	0.000	11:30
CHK	0.301	11:30
BLK	0.000	11:32
CHK	0.301	11:33

Test Status: Success

Calibration CRC: F1C91400

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010725 Test Number: 460

Test Date: 02/26/2014 Test Time: 11:36 EST

Dry Gas Target: 0.100

Lot Number: AG227501-05 Exp Date: 10/01/2014

Tank Pressure: 840 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:36
CHK	0.100	11:37
BLK	0.000	11:39
CHK	0.100	11:40
BLK	0.000	11:41
CHK	0.100	11:42

Test Status: Success

Calibration CRC: F1C91400

DBH
JH



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 02/26/2014
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 11:51 EST
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 26 Feb 2014 at 14:38

DBH
Sed

Test Results

Instrument Serial Number 010725

Test # 000461 Subject Test

Test Location 1 Department of
Test Date 26 Feb 2014

Test Location 2 Forensic Science
Test Time 11:44
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 26 Feb 2014 End Time 11:52

Result Time 11:51

Result Date 26 Feb 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:45

Data Type BLK

Sample Value 0.000

Sample Time 11:46

Data Type CHK

Sample Value 0.100

Sample Time 11:46

Data Type BLK

Sample Value 0.000

Sample Time 11:48

Data Type SUBJ

Sample Value 0.000

Sample Time 11:49

Data Type BLK

Sample Value 0.000

Sample Time 11:50

Data Type SUBJ

Sample Value 0.000

Sample Time 11:51

Data Type BLK

Sample Value 0.000

Sample Time 11:52

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG227501-05

Standard Expiration Date 10/01/2014

Tank Pressure 830

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.50 sec

Blow Volume 1880 cc End-of-Blow Time 11:49

Blow Sample Number 2 Blow Duration 3.91 sec

Blow Volume 1978 cc End-of-Blow Time 11:51

Tamper Evident Stamp c51dc35d

Test Status Code 0

Test Status Success